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NOTES ON GEOGRAPHIC DISTRIBUTION

Reptilia, Squamata, Gymnophthalmidae, *Acratosaura mentalis* (Amaral 1933): Distribution extension and geographic distribution map

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ABSTRACT: This article provides new records to *Acratossaura mentalis* of two new localities from the state of Sergipe, northeast Brazil. These records extend the geographical distribution of specie for municipalities from Poço Redondo and Itabaiana. Possibly, these points are the first records of *A. mentalis* for the state of Sergipe.

The Gymnophthalmid lizards are small and medium-sized, distributed from southern Mexico to Argentina, the Caribbean, on some continental shelf islands of Central and South America east of the Andes (Pellegrino *et al.* 2001; Vitt and Caldwell 2009). Currently in Brazil there are 82 species in 32 genera (Bérnils 2010), some of which are restricted to the northeastern region (*e.g.* Rodrigues *et al.* 2007; Rodrigues and Santos 2008; Rodrigues *et al.* 2009). The *Acratosaura* genus was created to accommodate *Colobosaura mentalis* Amaral, 1933 (Rodrigues *et al.* 2007), and now also includes *Acratosaura spinosa* Rodrigues, Cassimiro, Freitas and Silva 2009.

Acratosaura mentalis (Figure 1) was described by Amaral in 1933 from municipality of Vila Nova, now Senhor do Bonfim, state of Bahia (BA), Brazil. The second record of its geographical distribution was made by Rodrigues (1986) in the municipality of Cabaceiras, state of Paraíba (PB), while Queiroz and Lema (1996) recorded the species in Brejo da Madre de Deus, state of Pernambuco (PE). Since then, records have been collected in new surveys at other localities (Figure 2).

Herein, we expand the geographic distribution of *Acratosaura mentalis* by presenting two new localities from the state of Sergipe: Serra da Guia (09°58'52" S, 37°52'05" W; 727 above sea level) in the municipality of Poço Redondo, and the Parque Nacional Serra de Itabaiana (10°44'56" S, 37°20'31" W; 240 m above sea level) in municipality of Areia Branca (Figure 2). The latter site presents areas of semideciduous lowland forest interspersed with more open habitat (Vicente *et al.* 2005), and represents the transition zone between the Atlantic Forest and the semi-arid Caatinga, in which species from both biomes coexist (Carvalho and Vilar 2005).

The Serra da Guia site is known locally as *brejos de altitude*, and is characterized by humid forests on hilltops and plateaus over 500 m above sea level (Prado 2005).

FIGURE 1. *Acratosaura mentalis* (C720), Parque Nacional Serra de Itabaiana, state of Sergipe, Brazil. Photo by C.B. De-Carvalho.

These areas appear to be relicts of the Atlantic Forest, characterized by high biodiversity, isolated within the more arid Caatinga vegetation (Barbosa *et al. 2004*).

Our records extend the geographical distribution of *Acratosaura mentalis ca*. 270 km for Serra da Guia and 320 km for Serra de Itabaiana in relation to the type locality at Senhor do Bonfim, state of Bahia. The nearest point is located in Xingó Power Plant (about 50 km), where we do not know if the specimen was collected in the state of Alagoas or Sergipe. Possibly, these points presented here are the first records of *A. mentalis* for the state of Sergipe.

Identification of the specimens was based in Amaral (1933), Queiroz and Lema (1996) and Rodrigues *et al.* (2009). Voucher specimens were deposited at the Herpetological Collection of the Universidade Federal de Sergipe, Brazil (C296 and C720). Collecting permit (# 10504-1) was granted by Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - IBAMA.

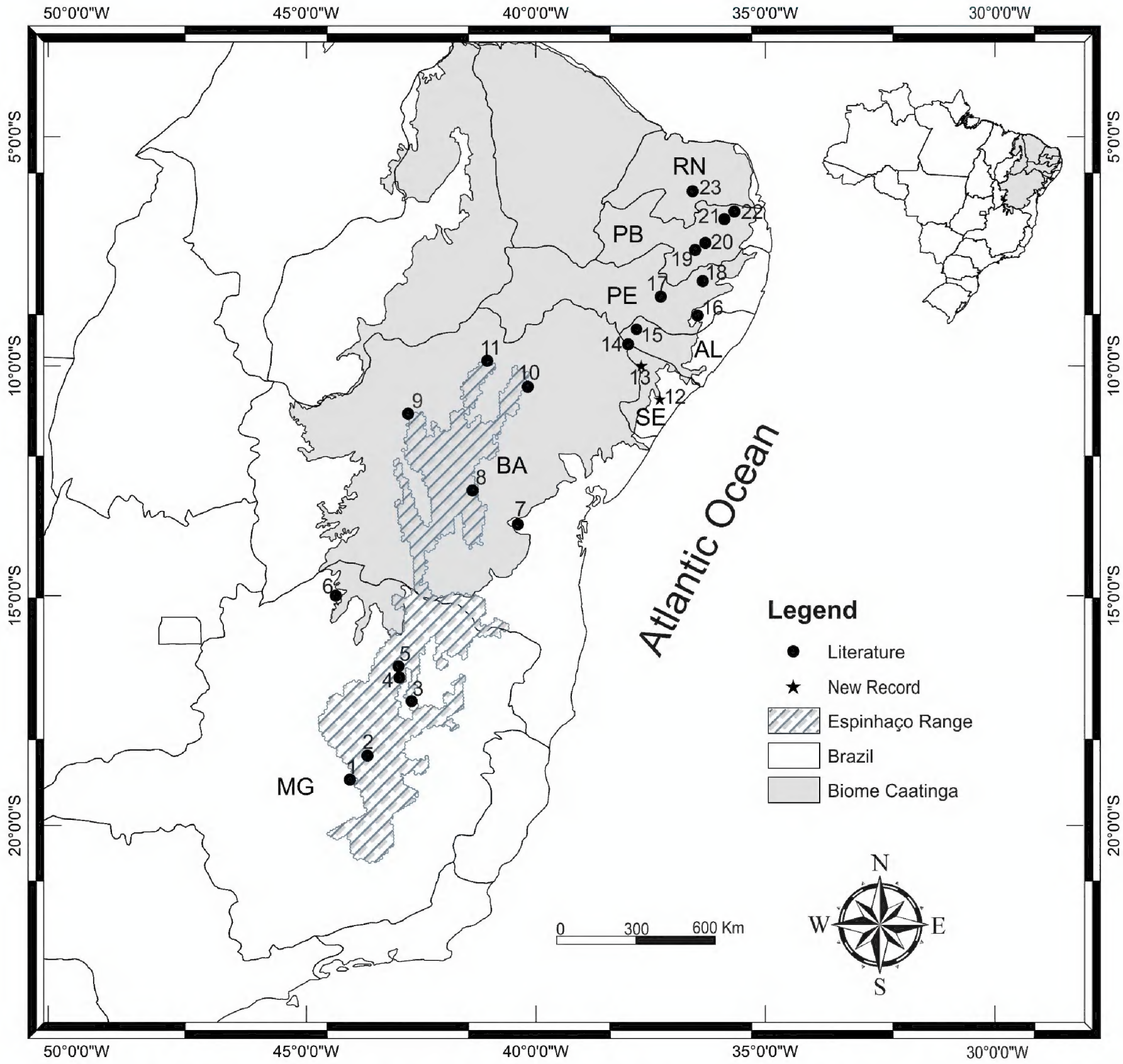

FIGURE 2. Geographic distribution of *Acratosaura mentalis*: 1. Santana do Pirapama (Rodrigues *et al.* 2009); 2. Diamantina (Rodrigues *et al.* 2009); 3. Turmalina (Rodrigues *et al.* 2009); 4. Cristália (Rodrigues *et al.* 2009); 5. Grão Mogol (Rodrigues *et al.* 2009); 6. Parque Nacional do Peruaçu (Rodrigues *et al.* 2009); 7. Maracás (Rodrigues *et al.* 2009); 8. Mucugê (MZUSP 74223); 9. Santo Inácio (MZUSP 79743); 10. Senhor do Bonfim (Type-Locality, MZUSP 40084-5) 11. Sento Sé (Santos *et al.* 2008); 12. Parque Nacional Serra de Itabaiana (New Record); 13. Serra da Guia (New Record); 14. UHE Xingó (MZUSP 80182-3); 15. Delmiro Gouveia (Rodrigues *et al.* 2009); 16. Garanhuns (MZUSP 65675); 17. Parque Nacional do Catimbau (Rodrigues and Santos 2008); 18. Brejo da Madre de Deus (Queiroz and Lema 1996); 19. São José dos Cordeiros and Sumé (Delfim and Freire 2007); 20. Cabaceiras (Rodrigues 1986); 21. Cacimba de Dentro (Arzabe *et al.* 2005), 22. Parque Estadual Pedra da Boca (Arzabe *et al.* 2005) and 23. Tenente Laurentino Cruz (Gogliath *et al.* 2010). States Abbreviations: AL = Alagoas, BA = Bahia, MG = Minas Gerais, PE = Pernambuco, PB = Paraíba, RN = Rio Grande do Norte and Sergipe = SE.

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